

PCT
09

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/787,657

DATE: 03/28/2001
 TIME: 17:42:11

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3 <110> APPLICANT: Johns, Margaret Ann
 4 Moldover, Brian Jay
 5 Offord, James David
 7 <120> TITLE OF INVENTION: Alpha-2/Delta Gene
 9 <130> FILE REFERENCE: 5947-01-MJA International PCT
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/787,657
 C--> 12 <141> CURRENT FILING DATE: 2001-03-20
 14 <150> PRIOR APPLICATION NUMBER: 60/103,322
 15 <151> PRIOR FILING DATE: 1998-10-07
 17 <150> PRIOR APPLICATION NUMBER: 60/106,473
 18 <151> PRIOR FILING DATE: 1998-10-30
 20 <150> PRIOR APPLICATION NUMBER: 60/114,088
 21 <151> PRIOR FILING DATE: 1998-12-29
 23 <160> NUMBER OF SEQ ID NOS: 49
 25 <170> SOFTWARE: PatentIn Ver. 2.1
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140 35 40 45
142 Pro Leu Leu Pro Leu Leu Ala Pro Gly Ala Ser Ala Tyr Ser Phe
143 50 55 60
145 Pro Gln Gln His Thr Met Gln His Trp Ala Arg Arg Leu Glu Gln Glu
146 65 70 75 80
148 Val Asp Gly Val Met Arg Ile Phe Gly Gly Val Gln Gln Leu Arg Glu
149 85 90 95
151 Ile Tyr Lys Asp Asn Arg Asn Leu Phe Glu Val Gln Glu Asn Glu Pro
152 100 105 110
154 Gln Lys Leu Val Glu Lys Val Ala Gly Asp Ile Glu Ser Leu Leu Asp
155 115 120 125
157 Arg Lys Val Gln Ala Leu Lys Arg Leu Ala Asp Ala Ala Glu Asn Phe
158 130 135 140
160 Gln Lys Ala His Arg Trp Gln Asp Asn Ile Lys Glu Glu Asp Ile Val
161 145 150 155 160
163 Tyr Tyr Asp Ala Lys Ala Asp Ala Glu Leu Asp Asp Pro Glu Ser Glu
164 165 170 175
166 Asp Val Glu Arg Gly Ser Lys Ala Ser Thr Leu Arg Leu Asp Phe Ile
167 180 185 190
169 Glu Asp Pro Asn Phe Lys Asn Lys Val Asn Tyr Ser Tyr Ala Ala Val
170 195 200 205
172 Gln Ile Pro Thr Asp Ile Tyr Lys Gly Ser Thr Val Ile Leu Asn Glu
173 210 215 220

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182 260 265 270
184 Leu Tyr Asp Val Arg Arg Arg Pro Trp Tyr Ile Gln Gly Ala Ser Ser
185 275 280 285
187 Pro Lys Asp Met Val Ile Ile Val Asp Val Ser Gly Ser Val Ser Gly
188 290 295 300
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191 305 310 315 320
193 Leu Ser Asp Asp Asp Tyr Val Asn Val Ala Ser Phe Asn Glu Lys Ala
194 325 330 335
196 Gln Pro Val Ser Cys Phe Thr His Leu Val Gln Ala Asn Val Arg Asn
197 340 345 350
199 Lys Lys Val Phe Lys Glu Ala Val Gln Gly Met Val Ala Lys Gly Thr
200 355 360 365
202 Thr Gly Tyr Lys Ala Gly Phe Glu Tyr Ala Phe Asp Gln Leu Gln Asn
203 370 375 380
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206 385 390 395 400
208 Asp Gly Gly Glu Asp Arg Val Gln Asp Val Phe Glu Lys Tyr Asn Trp
209 405 410 415
211 Pro Asn Arg Thr Val Arg Val Phe Thr Phe Ser Val Gly Gln His Asn
212 420 425 430
214 Tyr Asp Val Thr Pro Leu Gln Trp Met Ala Cys Ala Asn Lys Gly Tyr
215 435 440 445
217 Tyr Phe Glu Ile Pro Ser Ile Gly Ala Ile Arg Ile Asn Thr Gln Glu
218 450 455 460
220 Tyr Leu Asp Val Leu Gly Arg Pro Met Val Leu Ala Gly Lys Glu Ala
221 465 470 475 480
223 Lys Gln Val Gln Trp Thr Asn Val Tyr Glu Asp Ala Leu Gly Leu Gly
224 485 490 495
226 Leu Val Val Thr Gly Thr Leu Pro Val Phe Asn Leu Thr Gln Asp Gly
227 500 505 510
229 Pro Gly Glu Lys Lys Asn Gln Leu Ile Leu Gly Val Met Gly Ile Asp
230 515 520 525
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233 530 535 540
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236 545 550 555 560
238 His Pro Asn Leu Lys Pro Gln Thr Thr Asn Phe Arg Glu Pro Val Thr
239 565 570 575
241 Leu Asp Phe Leu Asp Ala Glu Leu Glu Asp Glu Asn Lys Glu Glu Ile
242 580 585 590
244 Arg Arg Ser Met Ile Asp Gly Asn Lys Gly His Lys Gln Ile Arg Thr
245 595 600 605
247 Leu Val Lys Ser Leu Asp Glu Arg Tyr Ile Asp Glu Val Thr Arg Asn

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254	645	650	655																
256	Ile Leu Gln Val Lys Tyr Phe Glu Phe Leu Leu Pro Ser Ser Phe Glu																		
257	660	665	670																
259	Ser Glu Gly His Val Phe Ile Ala Pro Arg Glu Tyr Cys Lys Asp Leu																		
260	675	680	685																
262	Asn Ala Ser Asp Asn Asn Thr Glu Phe Leu Lys Asn Phe Ile Glu Leu																		
263	690	695	700																
265	Met Glu Lys Val Thr Pro Asp Ser Lys Gln Cys Asn Asn Phe Leu Leu																		
266	705	710	715	720															
268	His Asn Leu Ile Leu Asp Thr Gly Ile Thr Gln Gln Leu Val Glu Arg																		
269	725	730	735																
271	Val Trp Arg Asp Gln Asp Leu Asn Thr Tyr Ser Leu Leu Ala Val Phe																		
272	740	745	750																
274	Ala Ala Thr Asp Gly Gly Ile Thr Arg Val Phe Pro Asn Lys Ala Ala																		
275	755	760	765																
277	Glu Asp Trp Thr Glu Asn Pro Glu Pro Phe Asn Ala Ser Phe Tyr Arg																		
278	770	775	780																
280	Arg Ser Leu Asp Asn His Gly Tyr Val Phe Lys Pro Pro His Gln Asp																		
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286	Val Ser Thr Ala Val Glu Leu Ser Leu Gly Arg Arg Thr Leu Arg Pro																		
287	820	825	830																
289	Ala Val Val Gly Val Lys Leu Asp Leu Glu Ala Trp Ala Glu Lys Phe																		
290	835	840	845																
292	Lys Val Leu Ala Ser Asn Arg Thr His Gln Asp Gln Pro Gln Lys Cys																		
293	850	855	860																
295	Gly Pro Asn Ser His Cys Glu Met Asp Cys Glu Val Asn Asn Glu Asp																		
296	865	870	875	880															
298	Leu Leu Cys Val Leu Ile Asp Asp Gly Gly Phe Leu Val Leu Ser Asn																		
299	885	890	895																
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307	Glu Ser Tyr Asp Tyr Gln Ala Ala Cys Ala Pro Gln Pro Pro Gly Asn																		
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VERIFICATION SUMMARY

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Input Set : A:\5947PCT.txt

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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